

IN THE CLAIMS

Please cancel claim 1 without prejudice. Please amend claims 2, 28, 33, 38-41, 43-45 and 47-49 as indicated below. The status of all claims filed in or added to this application is set forth below.

1. (Cancelled)
2. (Currently Amended) ~~The~~ An adenoviral vector of Claim 1 comprising a DNA sequence encoding endostatin operatively linked to a promoter controlling expression of said DNA sequence, and further comprising a DNA sequence encoding a secretion signal peptide immediately 5' and fused in-frame to said DNA sequence encoding endostatin.
3. (Original) The vector of Claim 2 wherein said secretion signal peptide is the secretion signal peptide of Ig-Kappa.
- 4-27. (Previously Cancelled)
28. (Currently Amended) A method of expressing endostatin in a cell, comprising: administering to a cell the adenoviral vector of Claim ~~1~~2, whereby administration of the vector results in expression of endostatin in the cell.
29. (Original) The method of Claim 28 wherein said cell is a mammalian cell.
30. (Original) The method of Claim 29 wherein said cell is an A549 cell.
31. (Original) The method of Claim 29 wherein said cell is a Hep3B cell.

33. (Currently Amended) The vector of Claim 12, wherein said promoter is a Rous sarcoma virus (RSV) promoter.
34. (Previously Added) The method of Claim 29 wherein said cell is a human cell.
35. (Previously Added) The method of Claim 28, wherein said cell is an endothelial cell.
36. (Previously Added) The method of Claim 35, wherein said cell is a blood vessel endothelial cell.
37. (Previously Added) The method of Claim 28, wherein the adenoviral vector is administered to the cell *in vitro*.
38. (Currently Amended) The vector of Claim 12, wherein said promoter is an adenoviral promoter.
39. (Currently Amended) The vector of Claim 12, wherein said promoter is a foreign promoter.
40. (Currently Amended) The vector of Claim 12, wherein said DNA sequence encodes murine endostatin.
41. (Currently Amended) The vector of Claim 12, wherein said DNA sequence encodes human endostatin.
42. (Previously Added) The vector of Claim 2, wherein said secretion signal peptide is the human basement membrane protein BM40 leader.

43. (Currently Amended) The vector of Claim 3, comprising a polynucleotide sequence encoding the amino acid sequence set forth in SEQ ID NO:2.
44. (Currently Amended) The vector of Claim 42, comprising a polynucleotide sequence encoding the amino acid sequence set forth in SEQ ID NO:5.
45. (Currently Amended) The vector of Claim ~~1~~2, wherein the vector is free of at least ~~the majority~~ a portion of each of the adenoviral E1 and E3 DNA sequences.
46. (Previously Added) The vector of Claim 45, wherein the vector is also free of at least a portion of at least one DNA sequence selected from the group consisting of adenoviral E2 and E4 DNA sequences.
47. (Currently Amended) The vector of Claim ~~1~~2, wherein the vector is free of all or a portion of each of the adenoviral E1 and E4 DNA sequences.
48. (Currently Amended) The vector of Claim ~~1~~2, wherein the vector is free of all or a portion of each of the adenoviral E1 and E2 DNA sequences.
49. (Currently Amended) The vector of Claim ~~1~~2, wherein the vector is free of all or a portion of each of the adenoviral E1, E2, and E4 DNA sequences.